

## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY							
BING	ER C. MEI /BA GHAM MCCUTCHEN LLP BE EMBARCADERO CENTER, SUITE 1800 I FRANCISCO, CA 94111-4067	PCT  NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)					
		Date of mailing 1 3 OCT 2005					
Appl VM	licant's or agent's filo reference 70}2096004	FOR FURTHER ACTION See paragraphs 1 and 4 below					
Inter	mational application No. 7JS04/32381	International filing date (day/month/year) 01 October 2004 (01.10.2004)					
Ann	licant RIAN MEDICAL SYSTEMS TECHNOLOGIES, INC.						
The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.							
	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim	s of the international application (see Rule 46):					
	search report.	exmally two menths from the data of transmittal of the international					
	Where? Directly to the International Bureau of WIPO, 1 1211 Geneva 20, Switzerland, Facsimile No.:	+41 22 740 14 33					
	For more detailed instructions, see the notes on the acc	companying sheet.					
2.	The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the	International Scarching Authority are transmissed netework					
3,	With regard to the protest against payment of (an) addition	onal fee(s) under Rule 40.2, the applicant is notified that:					
	the protest together with the decision thereon has been request to forward the texts of both the protest and the	transmitted to the International Bureau together with the applicant's decision thereon to the designated Offices.					
	no decision has been made yet on the protest; the appli	icant will be notified as soon as a decision is made.					
4. Reminders  Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.  The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the							
	International Bureau. The international Bureau will send a copy preliminary examination report has been or is to be established. I before the evaluation of 30 months from the priority date.	These comments would also be made available to the public but not					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry lives the national phase before those designated Offices.							
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.  See the Annex to Form PCI/IB/301 and, for details about the applicable time limits, Office by Office, see the PCI Applicant's Guide,							
	Volume II, National Chapters and the WIPO Internet site.	11 24					
Nam	is and mailing address of the ISA/US Mail Stop PCT, After ISA/US	Authorized officer Shawnf). Melne for					
P.O. Box 1450 Alexandria, Virginia 72313-1450  Post 1450 Alexandria, Virginia 72313-1450  Brian L. Caster  Telephone No. (571) 272-4056							
Facs	imile No. (703) 305-3230	(See notes on accompanying sheet)					
rom .	Action: Supp 105 Date  Date Due: 113/040	Docket: 70/209-6004 (TA) Action: Resp to Search Report Due Date Due: 12/13/05					
	Docket: 70/209-4001 (1) Action: Suppl 105 Due Date Due: 1/13/09 Docket: (10/70/209-4002						
Action: Suppl DS Due Date Bus: 11/3/06							



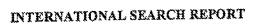


## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference VM7012096004		see Form PCT/ISA/220 where applicable, item 5 below							
International application No. PCT/US04/32381	International filing date (day/month/year 01 October 2004 (01.10.2004)	(Earliest) Priority Date (day/month/year) 03 October 2003 (03.10.2003)							
Applicant VARIAN MEDICAL SYSTEMS TECHNO	ologies, inc.								
according to Article 18. A copy is being  This international search report consists:	transmitted to the International Bureau.	Authority and is transmitted to the applicant ed in this report.							
<ol> <li>Hasis of the Report</li> <li>With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ol>									
firmished to this Autho									
Beautiful		f in the international application, see Box No. I.							
AND THE PARTY NAMED IN COLUMN TO THE PARTY NA	i unsearchable (See Box No. II)								
3. Unity of invention is lacking	ng (See Box No. III)								
4. With regard to the title,  the text is approved as subm	aired by the annicant.								
MARKET TO THE PARTY OF THE PART	d by this Authority to read as follows:								
,									
5. With regard to the abstract,									
the text is approved as subn	nitted by the applicant.								
the text has been establishe may, within one munth from	d, according to Rule 38.2(b), by this Autho n the date of mailing of this international so	ority as it appears in Box No. IV. The applicant earch report, submit comments to this Authority.							
6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. 1									
as suggested by the									
	Authority, because the applicant failed to s								
	Authority, because this figure better charac	derizes the invention.							
b. none of the figures is to be									
Form PCT/ISA/210 (first sheet) (January 2004)									



International application No.

PCT/US04/32381

A. CLASSIFICATION OF SUBJECT MATTER  IFC(7): A61B 5/05  US CL: 600/407  According to International Patent Classification (IPC) or to both national classification and IPC									
B. FIELL	DS SEARCHED								
Minimum documentation searched (classification system followed by classification symbols) U.S.: 600/407,410,411,416									
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)									
C. DOC	UMENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.						
A	US 6,185,446 B1 (Carlson) 06 February 2001 (06.02	2001), See the entire patent.	1-30						
A	US 5,262,945 A (DeCarli et al.) 16 November 1993	(16.11.1993), See the entire patent	1-30						
		See patent family snnex.							
3400000F	documents are listed in the continuation of Box C.	"T" Inter document published after the inter	national filing date or priority						
"A" decumen	pozisi vategories of sited documents: a dofining the general state of the art which is not considered to be of cretevance	date and not in conflict with the applies principle or theory underlying the inven-	tion but eited to understand the likes						
"E" earlier ap	plication or patent published on or efter the international fling date	"X" document of particular relevance, the a considered movel or cannot be consider when the document is taken stone	ed to involve as inventive sup auteous profition ostensive						
deldate bolicoqe		decument of particular relevance; the claimed breation cannot be considered to involve an inventive step when the document is non-with one or more action such decomments, such combination being							
	t referring to an oral disclosure, use, exhibition or other means	the aft is believe to execute a cut encived	,						
priority d	t published prior to the international filing date but later than the are claimed	"&" document member of the same patent fo							
Date of the a	ctual completion of the international scarch	Date of mailing of the international search report							
12 August 20	05 (12.08.2005)	1,3 001,40	heire for						
Name and m	siling address of the ISA/US	Authorized officer Sharan 77: }	here for						
	ii Stop PCT, Atte: ISA/US nonissioner for Patents	Brian L. Casler							
7º C	Box 3450	Telephone No. (571) 272-4956							
	zandria, Virginia 22313-1450 1 (703) 305-3230								

Farm PCT/ISA/210 (second sheet) (January 2004)



### PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY PCT PETER C. MEI BINGHAM MCCUTCHEN LLP THREE EMBARCADERO CENTER, SUITE 1800 WRITTEN OPINION OF THE SAN FRANCISCO, CA 94111-4067 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below VM7012096004 International filing date (day/month/year) Priority date (day/month/year) International application No. 03 October 2003 (03.10.2003) 01 October 2004 (01.10.2004) PCT/US04/32381 International Patent Classification (IPC) or both national classification and IPC IPC(7): A61B 5/05 and US CL: 600/407 Applicant VARIAN MEDICAL SYSTEMS TECHNOLOGIES, INC 1. This opinion contains indications relating to the following items: Basis of the opinion Box No. I Priority Box No. II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written epinions of this international Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/US Mail Stop PCT, Atta: ISA/US Brian L. Casier

Telephone No. (571) 272-4956

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

Alexandria, Virginia 22313-1450

Commissioner for Patents P.O. Box 1450



# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/32381

Box No. I Basis of this opinion						
<ol> <li>With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ol>						
This opinion has been established on the basis of a translation from the original language into the following language						
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
in written format						
in computer readable form						
c. time of filing/furnishing						
contained in international application as filed.						
filed together with the international application in computer readable form.						
furnished subsequently to this Authority for the purposes of search						
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additional comments:						

Form PCT/ISA/237(Box No. I) (January 2004)



Form PCT/ISA/237 (Box No. V) (January 2004)

International application No. PCT/US04/32381

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. Statement						
Manualter (MT)	Claims	1-30	YES			
Novelty (N)		NONE	to the second			
Inventive step (IS)	Claims	1-30	YES			
Magnitae pich (10)		NONE				
Industrial applicability (IA)	Claims	1-30	YES			
Market and American	Claims	NONE	NO			
Synchronized image data.  Claims 1-30 meet the ariteria set out in PCT Article he made or used in industry.	e 33(4), and thus i	neet industrial applicability bed	cause the subject matter claimed can			

#### NOTESTO FORM PCT/ISA/226

These Noies are intended to give the basic instructions concerning the filling of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

## INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

## What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amenced (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to Sie the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Scarching Authority (Rule 46.7).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims. A sidding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

## What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

#### PATENT COOPERATION TREATY



To: PETER C. MEI BINGHAM MCCUTCHEN LLP NOTIFICATION OF TRANSMITTAL OF THREE EMBARCADERO CENTER, SUITE 1800 THE INTERNATIONAL SEARCH REPORT AND SAN FRANCISCO, CA 94111-4067 THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below VM7012096004 International application No. International filing date PCT/US04/32381 (day/month/year) 01 October 2004 (01.10.2004) Applicant VARIAN MEDICAL SYSTEMS TECHNOLOGIES, INC. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith. Filing of amendments and statement under Article 19-The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 45): When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report. Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. With regard to the protest against payment of (an) additional fee(a) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis. 1 and 90bis. 3, respectively, before the completion of the technical preparations for international publication. The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 29 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide. Volume II, National Chapters and the WIPO Internet site. Name and mailing address of the ISA/ US Mail Stoo PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandría, Virginia 22313-1450

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

Telephone Na. (571) 272-4956